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PTO/SB/05b (09-08)

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Substitute for form 1449/PTO			Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)			Application Number	09/502.133-Conf. #4787
			Filing Date	February 11, 2000
			First Named Inventor	Harold E. HELSON
			Art Unit	2128
			Examiner Name	H. M. Jones
			Attorney Docket Number	0103544.00131US2
Sheet	2	of	5	

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	CA	BALASUBRAMANIAN, K.J., "Computer Perception of Molecular Symmetry", <i>J. Chem. Inf. Comput. Sci.</i> , Vol. 35, pp. 761-770, 1995	
	CB	BALDUCCI, R. et al., "Efficient Exact Solution of the Ring Perception Problem", <i>J. Chem. Inf. Comput. Sci.</i> , Vol. 34, pp. 822-831, 1994	
	CC	BAUER, J. et al., "IGOR and RAIN - The First Mathematically Based Multi-Purpose Problem-Solving Computer Programs for Chemistry and Their Use as Generators of Constitutional Formulas", <i>Informal Commun. Math. Chem. (MATCH)</i> , No. 27, pp. 31-47, 1992	
	CD	BAYADA, D.M. et al., "An Algorithm for the Multiple Common Subgraph Problem", <i>J. Chem. Inf. Comput. Sci.</i> , Vol. 32, pp. 680-685, 1992	
	CE	BENECKE, C. et al., "MOLGEN, a generator of connectivity isomers and stereoisomers for molecular structure elucidation", <i>Anal. Chim. Acta</i> , Vol. 314, pp. 141-147, 1995	
	CF	BERTRAND, A. et al., "DESMOL: a Subroutine for the Generation of Molecular Structures with Stereochemical Information from Connectivity Data", <i>J. Chem. Res. (S)</i> , p. 158, 1994	
	CG	BLEY, K. et al., "Constitutional Formulae generated from Connectivity Information: the Program MDRAW", <i>J. Chem. Res. (S)</i> , p. 261 1991	
	CH	CARHART, R.E., "A Model-Based Approach to the Teletype Printing of Chemical Structures", <i>J. Chem. Inf. Comput. Sci.</i> , Vol. 16, No. 2, pp. 82-88, 1976	
	CI	ChemDraw Chemical Structure Drawing Standard, <i>User's Guide</i> , CS Chem3D 4.0 for Windows and Macintosh, CambridgeSoft Corporation, 1986-1997	
	CJ	DALBY, J. et al., "Description of Several Chemical Structure File Formats Used by Computer Programs Developed at Molecular Design Limited", <i>J. Chem. Inf. Comput. Sci.</i> , Vol. 32, pp. 244-255, 1992	
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PTO/SB/08b (09-08)

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		First Named Inventor	Harold E. HELSON		
		Art Unit	2128		
		Examiner Name	H. M. Jones		
Sheet	3	of	5	Attorney Docket Number	0103544.00131US2

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CK	DITTMAR, P.G. et al., "An Algorithmic Computer Graphics Program for Generating Chemical Structure Diagrams", <i>J. Chem. Inf. Comput. Sci.</i> , Vol. 17, No. 3, pp. 186-192, 1977		
CL	DOWNS, G.M. et al., "Review of Ring Perception Algorithms for Chemical Graphs", <i>J. Chem. Inf. Comput. Sci.</i> , Vol. 29, pp. 172-187, 1989		
CM	FIGUERAS, J. et al., "Automorphism and Equivalence Classes", <i>J. Chem. Inf. Comput. Sci.</i> , Vol. 32, pp. 153-157, 1992		
CN	FIGUERAS, J., "Ring Perception Using Breadth-First Search", <i>J. Chem. Inf. Comput. Sci.</i> , Vol. 36, p. 986-991, 1996	no translation	
CO	FREREJACQUE, M., "No. 108 - Condensation d'une molecule organique", <i>Bull. Soc. Chim. Fr.</i> , (Memoires), Vol. 5, pp. 1008-1011, 1939		
CP	GOTHE, S.A. et al., "Computer-Assisted Mechanistic Evaluation of Organic Reactions. 22. The Generation and Use of Three-Dimensional Structures", <i>J. Org. Chem.</i> , Vol. 58, pp. 5081-5094, 1993		
CQ	HELSON, "Structure Diagram Generation", <i>Reviews in Computational Chemistry</i> , Vol. 13, Ch. 6, pp. 313-398, 1999	pg. 386 missing	
CR	JUDSON, R., "Genetic Algorithms and Their Use in Chemistry", <i>Reviews of Computational Chemistry</i> , Ch. 1, Vol. 10, pp. 1-73, 1997		
CS	LIETH, C.v.d. et al., "RINGS - a general program to build ring systems", <i>J. Mol. Graphics</i> , Vol. 2, pp. 117-123, 1984		
CT	MOLCHANOVA, M.S. et al., "Computer Generation of Molecular Structures by the SMOG Program", <i>J. Chem. Inf. Comput. Sci.</i> , Vol. 36, pp. 888-899, 1996		

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PTO/SB/08b (09-06)

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		First Named Inventor	Harold E. HELSON		
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		Examiner Name	H. M. Jones		
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	CU	RAYNER, J.D. et al., "A Concise Connection Table Based on Systematic Nomenclatural Terms", <i>J. Mol. Graphics</i> , Vol. 1, pp. 108-111, 1983	
	CV	RUSINKO, A. et al., "Using CONCORD to Construct a Large Database of Three-Dimensional Coordinates from Connection Tables", <i>J. Chem. Inf. Comput. Sci.</i> , Vol. 29, p. 251-255, 1989	
	CW	SADOWSKI, J. et al., "Comparison of Automatic Three-Dimensional Model Builders Using 639 X-ray Structures", <i>J. Chem. Inf. Comput. Sci.</i> , Vol. 34, p. 1000-1008, 1995	
	CX	SHELLEY, C.A., "Heuristic Approach for Displaying Chemical Structures", <i>J. Chem. Inf. Comput. Sci.</i> , Vol. 23, pp. 61-65, 1983	
	CY	SHMUELI, U., "Simple and efficient approach to preparation of molecular drawings", <i>J. Mol. Graphics</i> , Vol. 2, pp. 111-112, 1984	
	CZ	THOMSON, L.G. et al., "Organic Search and Display Using a Connectivity Matrix Derived from Wiswesser Notation", <i>J. Chem. Doc.</i> , Vol. 7, pp. 204-209, November 1967	
	CA1	WEININGER, D., "SMILES, a Chemical Language and Information System. 1. Introduction to Methodology and Encoding Rules", <i>J. Chem. Inf. Comput. Sci.</i> , Vol. 28, pp. 31-36, 1988	
	CB1	WEININGER, D., "Smiles. 3. Depict. Graphical Depiction of Chemical Structures", <i>J. Chem. Inf. Comput. Sci.</i> , Vol. 30, pp. 237-243, 1990	
	CC1	WIPKE, T., "AIMB: Analogy and Intelligence in Model Building. System Description and Performance Characteristics", <i>Computer Representation and Manipulation of Chemical Information</i> , pp. 147-174, Wipke et al. editors, Krieger, NY, 1981	
	CD1	WIPKE, W. T. et al., "Computer-Assisted Three-Dimensional Synthetic Analysis", <i>Tet. Comput. Method.</i> , Vol. 1, pp. 147-174, 1988	

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